

Table 4-8
FS-1 Treatment Plant Process Water Physicochemical Results
May 2001 - April 2002

Location	Date Sampled	Analyte	Result	Units	Surface Water Benchmark		
					Benchmark	Type	Exceeded?
Combined Influent							
36PLT01001	6/26/2001	ALKALINITY, TOTAL (AS CaCO ₃)	17.4 J	mg/L	NA		
36PLT01001	9/24/2001	ALKALINITY, TOTAL (AS CaCO ₃)	17.3 J	mg/L			
36PLT01001	1/2/2002	ALKALINITY, TOTAL (AS CaCO ₃)	17.3 J	mg/L			
36PLT01001	4/1/2002	ALKALINITY, TOTAL (AS CaCO ₃)	17.8 J	mg/L			
36PLT01001	6/26/2001	BIOLOGIC OXYGEN DEMAND, FIVE-DAY	ND	mg/L	NA		
36PLT01001	9/24/2001	BIOLOGIC OXYGEN DEMAND, FIVE-DAY	ND	mg/L			
36PLT01001	1/2/2002	BIOLOGIC OXYGEN DEMAND, FIVE-DAY	ND	mg/L			
36PLT01001	4/1/2002	BIOLOGIC OXYGEN DEMAND, FIVE-DAY	ND	mg/L			
36PLT01001	6/26/2001	COD - CHEMICAL OXYGEN DEMAND	ND	mg/L	NA		
36PLT01001	9/24/2001	COD - CHEMICAL OXYGEN DEMAND	ND	mg/L			
36PLT01001	1/2/2002	COD - CHEMICAL OXYGEN DEMAND	ND	mg/L			
36PLT01001	4/1/2002	COD - CHEMICAL OXYGEN DEMAND	ND	mg/L			
36PLT01001	5/29/2001	DISSOLVED ORGANIC CARBON	ND	mg/L	NA		
36PLT01001	6/26/2001	DISSOLVED ORGANIC CARBON	ND	mg/L			
36PLT01001	7/31/2001	DISSOLVED ORGANIC CARBON	ND	mg/L			
36PLT01001	8/27/2001	DISSOLVED ORGANIC CARBON	ND	mg/L			
36PLT01001	9/24/2001	DISSOLVED ORGANIC CARBON	ND	mg/L			
36PLT01001	10/26/2001	DISSOLVED ORGANIC CARBON	3	mg/L			
36PLT01001	11/28/2001	DISSOLVED ORGANIC CARBON	ND	mg/L			
36PLT01001	1/2/2002	DISSOLVED ORGANIC CARBON	ND	mg/L			
36PLT01001	1/28/2002	DISSOLVED ORGANIC CARBON	ND	mg/L			
36PLT01001	3/4/2002	DISSOLVED ORGANIC CARBON	0.8 J	mg/L			
36PLT01001	4/1/2002	DISSOLVED ORGANIC CARBON	ND	mg/L			
36PLT01001	6/26/2001	SUSPENDED SOLIDS (RESIDUE, NON-FILTERABLE)	ND	mg/L	NA		
36PLT01001	9/24/2001	SUSPENDED SOLIDS (RESIDUE, NON-FILTERABLE)	ND	mg/L			
36PLT01001	1/2/2002	SUSPENDED SOLIDS (RESIDUE, NON-FILTERABLE)	2 J	mg/L			
36PLT01001	4/1/2002	SUSPENDED SOLIDS (RESIDUE, NON-FILTERABLE)	2.8 J	mg/L			
36PLT01001	6/26/2001	TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	40	mg/L	NA		
36PLT01001	9/24/2001	TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	40	mg/L			
36PLT01001	1/2/2002	TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	54	mg/L			
36PLT01001	4/1/2002	TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	68	mg/L			
36PLT01001	5/29/2001	TOTAL ORGANIC CARBON	ND	mg/L	NA		
36PLT01001	6/26/2001	TOTAL ORGANIC CARBON	ND	mg/L			
36PLT01001	7/31/2001	TOTAL ORGANIC CARBON	ND	mg/L			
36PLT01001	8/27/2001	TOTAL ORGANIC CARBON	ND	mg/L			
36PLT01001	9/24/2001	TOTAL ORGANIC CARBON	ND	mg/L			
36PLT01001	10/26/2001	TOTAL ORGANIC CARBON	ND	mg/L			
36PLT01001	11/28/2001	TOTAL ORGANIC CARBON	ND	mg/L			
36PLT01001	1/2/2002	TOTAL ORGANIC CARBON	ND	mg/L			
36PLT01001	1/28/2002	TOTAL ORGANIC CARBON	ND	mg/L			
36PLT01001	3/4/2002	TOTAL ORGANIC CARBON	ND	mg/L			
36PLT01001	4/1/2002	TOTAL ORGANIC CARBON	ND	mg/L			

Table 4-8
FS-1 Treatment Plant Process Water Physicochemical Results
May 2001 - April 2002

Location	Date Sampled	Analyte	Result	Units	Surface Water Benchmark		
					Benchmark	Type	Exceeded?
Effluent							
36PLT01003	6/26/2001	ALKALINITY, TOTAL (AS CaCO ₃)	17 J	mg/L	NA		
36PLT01003	9/24/2001	ALKALINITY, TOTAL (AS CaCO ₃)	17.2 J	mg/L			
36PLT01003	1/2/2002	ALKALINITY, TOTAL (AS CaCO ₃)	17.2 J	mg/L			
36PLT01003	4/1/2002	ALKALINITY, TOTAL (AS CaCO ₃)	ND	mg/L			
36PLT01003	6/26/2001	BIOLOGIC OXYGEN DEMAND, FIVE-DAY	ND	mg/L	NA		
36PLT01003	9/24/2001	BIOLOGIC OXYGEN DEMAND, FIVE-DAY	ND	mg/L			
36PLT01003	1/2/2002	BIOLOGIC OXYGEN DEMAND, FIVE-DAY	ND	mg/L			
36PLT01003	4/1/2002	BIOLOGIC OXYGEN DEMAND, FIVE-DAY	ND	mg/L			
36PLT01003	6/26/2001	COD - CHEMICAL OXYGEN DEMAND	ND	mg/L	NA		
36PLT01003	9/24/2001	COD - CHEMICAL OXYGEN DEMAND	ND	mg/L			
36PLT01003	1/2/2002	COD - CHEMICAL OXYGEN DEMAND	ND	mg/L			
36PLT01003	4/1/2002	COD - CHEMICAL OXYGEN DEMAND	ND	mg/L			
36PLT01003	5/29/2001	DISSOLVED ORGANIC CARBON	ND	mg/L	NA		
36PLT01003	6/26/2001	DISSOLVED ORGANIC CARBON	ND	mg/L			
36PLT01003	7/31/2001	DISSOLVED ORGANIC CARBON	3	mg/L			
36PLT01003	8/27/2001	DISSOLVED ORGANIC CARBON	ND	mg/L			
36PLT01003	9/24/2001	DISSOLVED ORGANIC CARBON	ND	mg/L			
36PLT01003	10/26/2001	DISSOLVED ORGANIC CARBON	ND	mg/L			
36PLT01003	11/28/2001	DISSOLVED ORGANIC CARBON	ND	mg/L			
36PLT01003	1/2/2002	DISSOLVED ORGANIC CARBON	ND	mg/L			
36PLT01003	1/28/2002	DISSOLVED ORGANIC CARBON	ND	mg/L			
36PLT01003	3/4/2002	DISSOLVED ORGANIC CARBON	0.65 J	mg/L			
36PLT01003	4/1/2002	DISSOLVED ORGANIC CARBON	2	mg/L			
36PLT01003	6/26/2001	SUSPENDED SOLIDS (RESIDUE, NON-FILTERABLE)	ND	mg/L	NA		
36PLT01003	9/24/2001	SUSPENDED SOLIDS (RESIDUE, NON-FILTERABLE)	ND	mg/L			
36PLT01003	1/2/2002	SUSPENDED SOLIDS (RESIDUE, NON-FILTERABLE)	ND	mg/L			
36PLT01003	4/1/2002	SUSPENDED SOLIDS (RESIDUE, NON-FILTERABLE)	ND	mg/L			
36PLT01003	6/26/2001	TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	40	mg/L	NA		
36PLT01003	9/24/2001	TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	52	mg/L			
36PLT01003	1/2/2002	TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	54	mg/L			
36PLT01003	4/1/2002	TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	68	mg/L			
36PLT01003	5/29/2001	TOTAL ORGANIC CARBON	ND	mg/L	NA		
36PLT01003	6/26/2001	TOTAL ORGANIC CARBON	ND	mg/L			
36PLT01003	7/31/2001	TOTAL ORGANIC CARBON	ND	mg/L			
36PLT01003	8/27/2001	TOTAL ORGANIC CARBON	ND	mg/L			
36PLT01003	9/24/2001	TOTAL ORGANIC CARBON	ND	mg/L			
36PLT01003	10/26/2001	TOTAL ORGANIC CARBON	ND	mg/L			
36PLT01003	11/28/2001	TOTAL ORGANIC CARBON	ND	mg/L			
36PLT01003	1/2/2002	TOTAL ORGANIC CARBON	ND	mg/L			
36PLT01003	1/28/2002	TOTAL ORGANIC CARBON	ND	mg/L			
36PLT01003	3/4/2002	TOTAL ORGANIC CARBON	0.9 J	mg/L			
36PLT01003	4/1/2002	TOTAL ORGANIC CARBON	ND	mg/L			

Data Sources: Jacobs, November 2001, Site Environmental Evaluation (SEE) database and AFCEE, 08 January and 13 September 2002,
MMR-AFCEE Data Warehouse

Notes:

CaCO₃ = calcium carbonate

J = estimated concentration

mg/L = milligrams per liter

ND = nondetect